



# UNITED STATES PATENT AND TRADEMARK OFFICE

NIK

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/832,365	04/10/2001	Avram Scheiner	279.280US1 7716		
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.		EXAMINER			
	P.O. Box 2938 Minneapolis, MN 55402		OROPEZA, FRANCES P		
		•	ART UNIT	PAPER NUMBER	
			3762	Q <sub>1</sub>	
			DATE MAILED: 05/09/2003	7	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner   Frances P. Oropeza   3762	<del></del>	Application No.		Applicant(s)				
Examiner Frances P. Oropeza 3762  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM - SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD FOR SET TO EXPIRE 3 MONTH (S) FROM - SHORTENED STATUTORY PERIOD F		09/832 365						
Frances P, Oropeza   3762	Office Action Summary							
- The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION.  Examinate of time the sevaluation and of 3 CPR 1.136(a). In no event, however, may a right be timely filled in the period for reply appelled above is less than this (30) days, and pay within the statisticy minimum of timity (30) days will be considered timely.  If the period for reply appelled above is less than this (30) days, and apply within the statisticy minimum of timity (30) days will be considered timely.  If the period for reply appelled above is less than this (30) days, and apply the considered timely.  If the period for reply appelled above is less than this (30) days, and apply within the statisticy minimum of timity (30) days will be considered of this communication.  If the period for reply appelled the of this communication, even if trendy filled. They reduce this communication.  Responsive to communication(s) filled on 2/19/03 (Amendment).  2a) Exponsive to communication(s) filled on 2/19/03 (Amendment).  3b) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex partie Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Of the above claim(s)	•							
A SHORTEND STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  A SHORTEND STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  A SHORTEND STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  A SHORTEND STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  A SHORTEND STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  If the product or sept year specified above, the maximum statutory period will apply and will expire 3X (0) MONTHS from the mailing date of this communication.  If the product or sept year a specified above, the maximum statutory period will apply and will expire 3X (0) MONTHS from the mailing date of this communication.  A PORT OF THE SET OF THE SET OF THE TOTAL ABOVE THE MAILING DATE OF THE SET OF THE S	The MAILING DATE of this communication app							
THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be variable used the provisions of 3 CFR in 15(6). In no event, however, may a right be timely fited after 50X (5) MODITIS from the mailing date of this communication.  It is a second to reply is specified used to the communication of the	Period for Reply							
1)  Responsive to communication(s) filed on 2/19/03 (Amendment).  2a)  This action is FINAL. 2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 2-35 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some * c)  None of:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No 3  Popies of the certified copies of the priority documents have been received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(e)	THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, howe y within the statutory min vill apply and will expire s , cause the application to	ver, may a reply be timely imum of thirty (30) days w SIX (6) MONTHS from the become ABANDONED	rilled rill be considered timely. rmailing date of this communication. (35 U.S.C. § 133).				
2a)  This action is FINAL. 2b)  This action is non-final.  3   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 2.35 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6   Claim(s) 2.35 is/are rejected.  7   Claim(s) is/are objected to.  8   Claim(s) are subject to restriction and/or election requirement.  Application Papers  9   The specification is objected to by the Examiner.  10   The drawing(s) filed on is/are: a) accepted or b  objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12   The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f):  a)  All b   Some * c)  None of:  1     Certified copies of the priority documents have been received in Application No 3								
3   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)   Claim(s) 2-35 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)   Claim(s) is/are allowed.  6)   Claim(s) is/are allowed.  6)   Claim(s) is/are objected to.  8)   Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)   The specification is objected to by the Examiner.  10)   The drawing(s) filed on is/are: a)   accepted or b)   objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)   The proposed drawing correction filed on is: a)   approved b)   disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)   The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)   All   b)   Some * c)   None of:  1.   Certified copies of the priority documents have been received.  2.   Certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14)   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1  Motice of References Cited (PTO-892)  2  Notice of References Cited (PTO-892)  3  Notice of Informal Patent Application (PTO-152)				•				
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.    Disposition of Claims	·-							
A) Claim(s) 2-35 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1.□ Certified copies of the priority documents have been received.  2.□ Certified copies of the priority documents have been received in Application No  3.□ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 □ Notice of References Cited (PTO-892)  2 □ Notice of Informal Patent Application (PTO-152)								
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are rejected.  7) □ Claim(s) is/are rejected.  7) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  15 □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.	Disposition of Claims		,					
5)  Claim(s) is/are allowed. 6)  Claim(s) is/are objected to. 7)  Claim(s) is/are objected to. 8)  Claim(s) is/are objected to. 8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers 9)  The specification is objected to by the Examiner. 10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.	4)⊠ Claim(s) <u>2-35</u> is/are pending in the application.							
6)  Claim(s) 2-35 is/are rejected.  7)  Claim(s)  is/are objected to.  8)  Claim(s)  are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on  is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on  is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b) Some *c) None of:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No.  application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10  Notice of References Cited (PTO-892)  21  Notice of References Cited (PTO-9152)	4a) Of the above claim(s) is/are withdrawn from consideration.							
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1 Certified copies of the priority documents have been received.  2 Certified copies of the priority documents have been received in Application No  3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Informal Patent Application (PTO-152)	5) Claim(s) is/are allowed.							
8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1 Certified copies of the priority documents have been received.  2 Certified copies of the priority documents have been received in Application No  3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Informal Patent Application (PTO-152)	6)⊠ Claim(s) <u>2-35</u> is/are rejected.	6) Claim(s) 2-35 is/are rejected.						
Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of References Cited (PTO-413) Paper No(s)	7) Claim(s) is/are objected to.	Claim(s) is/are objected to.						
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)	•							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)  5) Notice of Informal Patent Application (PTO-152)	· <u> </u>	_						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved by disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)  5) Notice of Informal Patent Application (PTO-152)								
If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s).  10 Notice of Draftsperson's Patent Drawing Review (PTO-948)								
12) ☐ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) ☐ Notice of Informal Patent Application (PTO-152)								
Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)								
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)								
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  1 Interview Summary (PTO-413) Paper No(s).  5) Notice of Informal Patent Application (PTO-152)	<u>.</u>							
1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) ☐ Notice of Informal Patent Application (PTO-152)								
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)	1. Certified copies of the priority documents							
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  Whotice of Draftsperson's Patent Drawing Review (PTO-948)  Attachment (PTO-413) Paper No(s).  Notice of Informal Patent Application (PTO-152)	2. Certified copies of the priority documents							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  14) Interview Summary (PTO-413) Paper No(s).  5) Notice of Informal Patent Application (PTO-152)	3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).							
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) Interview Summary (PTO-413) Paper No(s)  5) Notice of Informal Patent Application (PTO-152)								
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) Interview Summary (PTO-413) Paper No(s)  5) Notice of Informal Patent Application (PTO-152)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152)	15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)	· ·	_						
	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) 🔲	Notice of Informal Pal					

Art Unit: 3762

#### **DETAILED ACTION**

### Response to Amendment and Response filed 2/19/03

1. The Applicant's arguments have been fully considered. Some arguments are convincing and others not as detailed in the discussion below.

The Examiner appreciates the clarification provided for the 35 U.S.C. 112 rejections of record. Base on the amendments and the clarification provided, the 35 U.S.C. 112 rejections of record are withdrawn.

As related to the rejection of claims 2-12 and 15-30 under 35 U.S.C. 102(b) as being anticipated by Yerich et al. (US 5562711), the arguments related to claims 2, 3, 7-12 and 15-30 are convincing and the rejection of these claims is withdrawn. The arguments related to claims 4-6 are not convincing and the rejection stands as noted in paragraph 2 of this action.

As related to the rejection of claims 2-8, 13-20 and 30 under 35 U.S.C. 102 (e) as being anticipated by Pitts Crick et al. (US 6104949), the arguments related to claims 13 and 14 are convincing and the rejection of these claims is withdrawn. The arguments for claimed 1-8, 15-20 and 30 are not convincing and the rejection stands as noted in paragraph 4 of this action.

## Claim Rejections - 35 USC § 102

2. Claims 4-6 stand rejected under 35 U.S.C. 102(b) as being anticipated by Yerich et al. (US 5562711). Yerich et al. disclose a method and apparatus for rate-responsive cardiac pacing including an implantable pacemaker (10) with a pacing/control circuit (20) to provide therapy in response to combined physical and metabolic or blended demand, increasing pacing rate based on increased demand (col. 4 @ 1-23), an activity sensor circuit (21) to determine physical demand, and an impedance sensing circuit (22) to determine the metabolic and physiological

Art Unit: 3762

demand (col. 4 @ 31-35; col. 8 @ 21-29). Electrodes are associated with the leads and the canister; it is inherent that the electrodes may be designated as electrodes one, two, three or four or can use the same electrode for multiple purposes to sense or stimulate for pacing or impedance measurement depending on the area of the heart being measured (col. 5 @ 46-64; col. 7 @ 34-53; col. 8 @ 48-52; col. 9 @ 44-57). The impedance sensing, reflecting respiratory rate, read as breathing, and tidal volume, is accomplished by measuring minute ventilation using impedance changes in the thoracic cavity (col. 2 @ 12-34; col. 8 @ 33-38). The impedance can be measured using electrodes and constant-current excitation pulses. The lowpass filtering of the impedance signal yields the respiratory rate while the high pass filtering of the same signal yields the patient's cardiac function (col. 8 @ 40-52; col. 8 @ 66 – col. 9 @ 10). The low-pass filter has a bandpass of 0.05 to 0.8 Hz (col. 9 @ 4-10). Baseline values are defined for the physical and metabolic demand (col. 25 @ 3-17). Additional sensors, including cardiac sensors indicating metabolic demand, read to be stroke volume, can be blended to determine the systemic demand (col. 4 @ 63 – col. 5 @ 11; col. 3 @ 5-9).

The Applicant argues independent claim 4 and the dependent claims 31-35 are allowable because the Applicant is unable to find that Yerich et al. teach increasing the a rate of pacing stimuli based at least in part on an increase in the baseline portion of the thoracic impedance. The Examiner disagrees. Yerich et al. teach utilizing the impedance measurement with the activity sensing to determine the variable pacing rate which increase or decrease in response to perceived changed in the patient's physiological demand. The baseline is determined and maintained by the LSTA (Limited Short Term Average and LTA (Long Term Average))

Art Unit: 3762

(col. 4 @ 31-35; col. 8 @ 32-38; col. 25 @ 3-28; col. 26 @ 20-44).

In response to the Applicant's argument that the references fail to show certain features of the Applicant's invention, it is noted that the feature upon which the Applicant relies (i.e., the baseline portion of the thoracic impedance being distinguished from other higher frequency components of the thoracic impedance) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Baseline impedance is read as the known measure or position of the measured thoracic impedance.

3. Claims 1, 2, 3, 5, 6, 8 and 15-17 stand rejected and claims 4, 7, 9-12, 18-35 are rejected under 35 U.S.C. 102(b) as being anticipated by Combs et al. (US 5957861). Combs et al. disclose a device (10) with an impedance monitor for discerning edema through the evaluation of respiratory rate and/or impedance.

As to claims 2, 4, 15, 16, 17, 29 and 30, a thoracic impedance signal is detected using a thoracic signal detection module (17) (figure 1; col. 3 @ 16-25; col. 4 @ 33-34), that detects impedance associated with a fluid shift away form the thorax. Transthoracic impedance measurements give a good indication of the level of edema (abnormal accumulation of fluid) in patients (col. 1 @ 11-16). Edema provides a sign of failing heart circulation (col. 1 @ 28-30), and is manifest in pulmonary edema of increased water in the lungs (col. 2 @ 38-42). Edema is monitored to indicated patient health and to indicate the need for therapy modification (col. 2 @ 12-16 and 30-36; col. 3 @ 13-15; col. 4 @ 1-4; col. 5 @ 56-61; col. 9 @ 48-59;

Art Unit: 3762

col. 12 @ 40-50; col. 13 @ 1-5; col. 13 @ 52- 58; col. 15 @ 24-27).

As to claims 2, 4, 15, 16, 17, 18, 29 and 30, therapy is provided based at least in part of the baseline portion of the detected thoracic impedance (col. 4 @ 1-4; col. 7 @ 13-33; col. 11 @ 48-53).

As to claim 3, a high frequency component of the thoracic impedance signal is attenuated (col. 5 @ 36-45; col. 6 @ 58 – col. 7 @ 5; col. 11 @ 37 – col. 12 @ 47; col. 13 @ 20-26; col. 13 @ 59-64).

As to claims 4, 9, 11 and 12, treatment with increased pacing is provided in response to an increase in the baseline portion of the thoracic impedance (col. 4 @ 1-4).

As to claims 5 and 11, motion is detected and therapy is provided based in part on the detected motion (col. 5 @ 36-45; col. 12 @ 1-16; col. 13 @ 20-26).

As to claims 6, 12 and 23, breathing is detected and therapy is provided based in part on the detected breathing (col. 5 @ 36-45; col. 12 @ 1-16; col. 13 @ 20-26; col. 13 @ 59-64).

As to claim 7, the rate of pacing therapy is adjusted based on the frequency components of the thoracic impedance relative to the fluid shift and breathing (col. 4 @ 1-4; col. 9 @ 48-59; col. 12 @ 40-50; col. 13 @ 1-5; col. 13 @ 59-64).

As to claim 8, therapy is increased to a fixed value or increased by a fixed value, or applied therapeutic energy is adjusted in response to increased impedance associated with the fluid shift (col. 4 @ 1-4; col. 12 @ 28-31; col. 15 @ 24-27).

As to claim 8, drugs are provided in response to increased impedance associated with the fluid shift (col. 4 @ 1-4; col. 5 @ 20-25; col. 8 @ 41-48).

Art Unit: 3762

As to claims 9 and 26, a thoracic fluid shift signal has a frequency cutoff value that is less than or equal to 0.01 - 0.5 Hz. (col. 7 @ 14-16).

As to claims 10 and 27, a thoracic fluid shift signal has a frequency cutoff value that is approximately 0.1 Hz. (col. 7 @ 14-16).

As to claims 15, 16, 17, 18, 29 and 30, multiple electrode configurations are disclosed including two, three and four electrode configurations associated with the thorax and/or heart (col. 3 @ 16-25; col. 4 @ 44-63; col. 5 @ 25-61; col. 9 @ 60-62).

As to claims 15, 16, 21-25 and 29, the impedance detection module includes an averager/low pass filter to detect impedance shifts associated with, among other things, fluid shifts, breathing and the cardiac stroke portion (col. 7 @ 13-33; col. 12 @ 1-16; col. 13 @ 59-64).

As to claims 18, 29 and 30, a pacing therapy output module and a pacing stimuli rate controller are inherent elements of the pacing therapy system (col. 3 @ 38-51; col. 15 @ 24-27).

As to claim 19, the electrode can serve multiple purposes (col. 4 @ 48 - col. 5 @ 7).

As to claims 20 and 29, a thoracic (test) signal (detection) generator (16) is disclosed (figure 1; col. 3 @ 16-25; col. 4 @ 27-32).

As to claim 28, therapy is based on fluid shift and breathing (col. 14 @ 65 - col. 15 @ 2).

The Applicant states he can find no disclosure in Combs et al. of providing therapy based in part on the detected baseline impedance associated with a fluid shift away from the thorax.

The Examiner cited the following passages from the Combs et al. patent where Combs et al. are deemed to teach providing therapy based in part on the detected baseline impedance associated with a fluid shift away from the thorax (col. 1 @ 11-16 and 28-30; col. 3 @ 13-15; col. 4 @ 1-4;

Art Unit: 3762

col. 2 @ 12-16, 30-36 and 38-42; col. 5 @ 56-61; col. 7 @ 13-33; col. 9 @ 48-59; col. 11 @ 48-53; col. 12 @ 40-50; col. 13 @ 1-5; col. 13 @ 52- 58; col. 15 @ 24-27).

The Applicant states he can find no disclosure in Combs et al. of an averager/ lowpass filter that obtains a baseline portion of the thoracic signal associated with a fluid shift away from the thorax. All elements of Combs et al. in question are believed to be addressed in the previous paragraph except for the averager/ low pass filter. The filter, read as the averager/ low pass filter, disclosed by Combs et al. is responsive to the fluid shift (col. 7 @ 4-50).

The Applicant asserts Combs et al. teach using respiratory detection to detect edema and teach away from using the baseline thoracic impedance associate with thoracic fluid shift. The Examiner disagrees. Combs et al. teach using respiratory detection and/ or baseline thoracic impedance associate with thoracic fluid shift (col. 13 @ 59-64).

4. Claims 1-8, 15-20 and 30 stand rejected under 35 U.S.C. 102 (e) as being anticipated by Pitts Crick et al. (US 6104949). Pitts Crick et al. disclose an implantable pulse generator system to diagnosis and treat congestive heart failure by sensing trans-thoracic impedance (42) as well as position (99) and relating these values to the baseline value (col. 2 @ 35 – col. 3 @ 9). The breathing is inherently detected based on the impedance measurement, indicating the degree of edema (col. 2 @ 29-40). The therapy involves increasing the heart rate by heart stimulation, providing systemic drugs or both (col. 6 @ 11-30). A higher frequency component of the impedence signal is analyzed (col. 4 @ 40-47). The baseline is determined based on averages (col. 4 @ 30-34; col. 5 @ 36-51). Electrodes are associated with the leads and the canister; it is inherent that the electrodes may be designated as electrodes one, two, three or four or can use the

Art Unit: 3762

same electrode for multiple purposes to sense or stimulate for pacing or impedance measurement depending on the area of the heart being measured (col. 3 @ 21-64).

The Applicant appears to argue fluid collection in the lungs is not fluid collection in the thorax, hence Pitts Crick et al. do not disclose the instant invention. The Examiner disagrees. The thorax is a part of the body between the neck and abdomen, and the principal organs in the thoracic cavity are the heart and lungs. Fluid movement in and out of the lungs is deemed to read on fluid movement in and out of the thorax. In addition, Pitts Crick et al. explicitly disclose movement "of fluid in the thoracic cavity, especially in an around the lungs" (col. 4 @ 55-57) and "impedance changes caused by fluid changes in the trans-thoracic tissues, especially in the lungs" (col. 5 @ 34-39).

The Applicant states he can find no disclosure for increasing the rate of pacing stimuli based at least in part on an increase in the baseline portion of the thoracic impedance. The Examiner disagrees. Pitts Crick et al. disclose a medical device that increased the rate of pacing stimuli based at least in part on an increase in the baseline portion of the thoracic impedance (col. 2 @ 51-54; col. 3 @ 16-20 and 32-36; col. 5 @ 53-58; col. 6 @ 8-30).

5. Claims 1-8, 13-20 and 30 are rejected under 35 U.S.C. 102(e) as being anticipated by Erlebacher et al. (US 6473640). Erlebacher et al. disclose an implanted device (1) for long-term detection and monitoring of congestive heart failure. A pacemaker generates signals and obtains a dual frequency signal that can measure venous impedance and pulmonary impedance, pulmonary impedance being indicative of pulmonary edema and the associate fluid shifts

Art Unit: 3762

(col. 2 @ 37-54; col. 4 @ 7-18). Changes in the impedance measurements over time provide a baseline (col. 4 @ 19-30). The pacemaker rate is increased to reduce the congestion in the lungs; drug therapy can also be used (col. 5 @ 48-61). Electrodes are associated with the leads and the canister; the electrodes may be designated as electrodes one, two, three or four or can use the same electrode for multiple purposes to sense or stimulate for pacing or impedance measurement depending on the area of the heart being measured (col. 5 @ 51-55; col. 6 @ 20-51). An accelerometer may be included to determine the impact of activity and posture on the impedance measurement (col. 9 @ 46 – col. 10 @ 18).

The Applicant appears to argue fluid collection in the lungs is not fluid collection in the thorax, hence Erlebacher does not disclose the instant invention. The Examiner disagrees. The thorax is a part of the body between the neck and abdomen, and the principal organs in the thoracic cavity are the heart and lungs, hence collection of fluid in the lungs is read as collection of fluid in the thorax. In addition, Erlebacher recognizes the correlation between impedance and tissue congestion read to be fluid collection (col. 2 @ 37-54).

6. Claims 13 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Sheldon et al. (US 6044297). Sheldon et al. disclose a device that independently monitors blood pressure, detecting hypotension, and physical position/ posture and correlates these measurements with electrocardiogram data, enabling detection of hypotension associated with posture and hypotension not associated with posture, enabling pacing therapy as needed (abstract; col. 1 @ 7-16; col. 5 @ 33-45; col. 6 @ 4-12 and 53-65; col. 7 @ 17-59; col. 9 @ 10-13;

Art Unit: 3762

col. 12 @ 6-9).

As to claim 14, therapy includes increasing the heart rate in response to hypotension (col. 7 @ 34-36).

### Statutory Basis

The text of those sections of Title 35, U.S. Code not included in this action can be found 7. in a prior Office action.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Fran Oropeza, telephone number is (703) 605-4355. The Examiner can normally be reached on Monday - Thursday from 6 a.m. to 4:30 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Angela D. Sykes can be reached on (703) 308-5181. The fax phone number for the organization where this application or proceeding is assigned is (703) 306-4520 for regular communication and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Receptionist, telephone number is (703) 308-0858.

Frances P. Oropeza Patent Examiner Art Unit 3762

ANGELA D. SYKES SUPERVISORY PATENT EXAMINER **TECHNOLOGY CENTER 3700** 

Cingel D. A

Page 10